

CLAIMS

1. A printable security paper comprising a region capable of receiving printed indicia on the front side
5 and on the reverse side which are observable in reflected light and form an image observable in transmitted light, as security element protecting against two-sided copying, characterized in that such region is a screened region having an average overall
10 opacity less than the opacity of the vellum part of the rest of the paper, said screened region being made up from alternations of vellum miniregions, having an approximately constant thickness equal to that of the vellum part of the rest of the paper, and of
15 miniregions of reduced opacity because of their smaller thickness compared with the vellum miniregions.
2. The paper as claimed in claim 1, characterized in that the smallest dimension of said screened region is
20 at least 0.5 cm.
3. The paper as claimed in either of the preceding claims, characterized in that the difference in opacity between the average overall opacity of said screened
25 region and the opacity of a vellum part of the rest of the paper is between 5 and 12 points, preferably between 6 and 10 points, the opacity being measured according to the ISO 2471 standard.
- 30 4. A security document protected against two-sided reproduction by printed indicia on the front side and the reverse side, these indicia forming patterns that can be observed in reflected light and said patterns being designed so as to make up a final representation
35 that can be observed in transmitted light, characterized in that it comprises, as medium, a paper with a screened region as claimed in one of the preceding claims and in that the indicia are printed on

the front side and on the reverse side of said screened region.

5. The security document as claimed in claim 4,
5 characterized in that the printed indicia comprise fine lines present both on the front side and on the reverse side of said screened region.

10 6. The security document as claimed in claim 5,
characterized in that at least some of the lines, on the front side and on the reverse side, have a width of 110 μm or less, preferably 100 μm or less.

15 7. The security document as claimed in either of claims 5 or 6, characterized in that the lines are of variable density and variable intensity so that the final representation that can be observed in transmitted light exhibits a relief and volume effect.

20 8. The document as claimed in one of claims 4 to 7, characterized in that the printed indicia, in particular the lines, are black lines and/or lines of different shades of gray and/or colored lines and/or lines that change appearance with the viewing angle or 25 through the action of a source of excitation, such as radiation, especially fluorescent, thermochromic or photochromic lines, and/or have electromagnetic, especially electrically conducting, magnetic or of magnetic-resonance, properties.

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9. The document as claimed in one of claims 4 to 8, characterized in that the screened region and/or the screen of said region forms a particular pattern, especially a customized pattern or a pattern that 35 corresponds to that of the final representation, resulting from the patterns that are printed on the front side and on the reverse side.

10. The document as claimed in one of claims 1 to 9, characterized in that it has a high resistance to circulation.

5 11. A banknote obtained with a security paper or document as claimed in one of the preceding claims.